

3. (Twice Amended) The three-dimensional ceramics structure as recited in claim 1, further comprising one or a plurality of fabric layers each having apertures and disposed between said upper fabric layer and said lower fabric layer.

4. (Twice Amended) The three-dimensional ceramics structure as recited in claim 1, wherein high-performance material is adhered to a surface of said three-dimensional ceramics structure.

6. (Twice Amended) The three-dimensional ceramics structure as recited in claim 3, wherein high-performance material is adhered to a surface of said three-dimensional ceramics structure.

17. (Twice Amended) A three-dimensional ceramics structure, of solely ceramics material, comprising a three-dimensional structure made of ceramics, wherein said structure comprises upper and lower layers disposed apart at a certain distance and an intermediate connecting layer connecting said upper layer with said lower layer.

19. (Twice Amended) The three-dimensional ceramics structure as recited in claim 17, further comprising one or a plurality of intermediate ceramics layers disposed between said upper and lower ceramics layers.

*bl* 20. (Twice Amended) The three-dimensional ceramics structure as recited in claim 17,  
wherein high-performance material is adhered to a surface of said ceramics structure.

*bl* 21. (Amended) The three-dimensional ceramics structure as recited in claim 20, wherein  
said high-performance material is catalyst or adsorbent.